

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A computer implemented method for use by a local agent module associated with one or more local computers to obtain enable remote access to at least one file residing on the one or more local computers, comprising:

polling a server for a task request;

receiving the a-task request from the server, the task request identifying a file from at least one local computer associated with the local agent;

executing a task indicated by the task request;

responsive to the task request, causing a the file to be uploaded, the file identified in the task request, to a the server;

waiting for a schedule timer to expire; and

repeating at least the above act of polling a server for a task request.

2. (Original) The method of claim 1, further comprising:

setting up local agent preferences;

setting up remote client preferences;

initiating the act of polling, based on the local agent preferences; and

initiating an act of uploading, based on the remote client preferences.

3. (Original) The method of claim 1, wherein the act of polling occurs over a transmission control protocol/internet protocol stack, through functions specified in a simple object access protocol interpreter.

4. (Currently Amended) The method of claim 1, wherein the act of causing the file to be uploadedact of executing the task includes:

initiating a request to a subsystem for the file; and

receiving the file from the subsystem.

5. (Currently Amended) The method of claim 1, wherein the act of causing the file to be uploaded ~~act of executing the task~~ includes:

- initiating a request to a subsystem for the file;
- instructing the subsystem to upload the file to the server; and
- receiving an indication that the file was uploaded to the server.

6. (Currently Amended) The method of claim 1, wherein the act of causing the file to be uploaded ~~act of executing the task~~ includes:

- initiating a request to a message access protocol interface for the file from a message access protocol interface database; and
- receiving the file from the message access protocol database.

7. (Currently Amended) The method of claim 6, wherein the causing the file to be uploaded includes instructing the file to be sent to the server from the message access protocol database.

8. (Currently Amended) A computer readable medium including sequences of instructions for causing one or more processors to perform acts for remote file access for a local agent module, the acts comprising:

- polling a server to receive a task request;
- receiving the a-task request from the server, the task request identifying a file from at least one local computer associated with the local agent;
- ~~executing a task indicated by the task request;~~
- ~~responsive to the task request, causing a the file to be uploaded, the file identified in the task request, to a the server;~~
- waiting for a schedule timer to expire; and
- repeating at least the above act of polling.

9. (Previously Presented) The computer readable medium of claim 8, further comprising instructions for performing the acts of:

setting up local agent preferences;
setting up remote client preferences;
initiating the act of polling, based on the local agent preferences; and
initiating an act of uploading, based on the remote client preferences.

10. (Original) The computer readable medium of claim 8, wherein the act of polling occurs over a transmission control protocol/internet protocol stack, through functions specified in a simple object access protocol interpreter.

11. (Currently Amended) The computer readable medium of claim 8, wherein the act of causing the file to be uploaded act of executing the task includes:

initiating a request to a subsystem for the file; and
receiving the file from the subsystem.

12. (Currently Amended) The computer readable medium of claim 8, wherein the act of causing the file to be uploaded act of executing the task includes:

initiating a request to a subsystem for the file;
instructing the subsystem to upload the file to the server; and
receiving an indication that the file was uploaded to the server.

13. (Currently Amended) The computer readable medium of claim 8, wherein the act of causing the file to be uploaded act of executing the task includes:

initiating a request to a message access protocol interface for the file from a message access protocol interface database; and
receiving the file from the message access protocol database.

14. (Currently Amended) The computer readable medium of claim 13, wherein the act of causing the file to be uploaded includes instructing the file to be sent to the server from the message access protocol database.

15. (Currently Amended) A local agent comprising:

a task processor for polling a server for a task request, the task request identifying a file in at least one a local computer associated with the local agent;

a schedule timer communicatively coupled to ~~said the~~ task processor for controlling a task processor polling interval; and

one or more protocol stacks for communicating over a network with the server.

16. (Original) The local agent of claim 15, wherein the one or more protocol stacks includes a transmission control protocol/internet protocol stack.

17. (Original) The local agent of claim 15, wherein the one or more protocol stacks includes a simple object access protocol interpreter.

18. (Original) The local agent of claim 15, further comprising a subsystem for executing a task from the task request.

19. (Original) The local agent of claim 15, further configured to initiate a request to a message application programming interface database.

20. (Original) The local agent of claim 15, further configured to receive a file from a message application programming interface database.

21. (Canceled) A local agent module for remote access to files, comprising:

a transmission control protocol/internet protocol stack for network communication with a server over a network;

an extensible markup language input/output parser, communicatively coupled to the transmission control/internet protocol stack, for breaking down data and commands;

a simple object access protocol interpreter, communicatively coupled to the extensible markup language input/output parser, for creating file system instructions to poll the server for a task request and retrieve a file specified in the task request;

and a task processor, communicatively coupled to the simple object access protocol interpreter, for executing subsystem instructions and initiating poll commands, based on a schedule timer.

22. (Canceled) The local agent module of claim 21, wherein local agent module includes a communications module configured to provide a carrier for network communication to the server, the local agent module configured to periodically connect to the server through the communication module at intervals set by the schedule timer.

23. (Canceled) The local agent module of claim 22, wherein the local agent module resides in a memory of a local computer, and is configured to access files in a storage device associated with the local computer.

24. (Canceled) The local agent module of claim 21, further comprising a message application programming interface, communicatively coupled to the task processor, for allowing access to a message application protocol interface database.

25. (New) A method performed by a server to provide remote access to files requested by a client device, the method comprising:

receiving a client-initiated request for a file, the request received by a server;
entering the request in a queue of the server;
receiving, from an agent device, a polling message requesting information from the server queue;
sending the client-initiated request for a file from the queue of the server to the agent device, wherein the agent accesses the requested file;
receiving the requested file sent by the agent device to the server;
sending, by the server, notification to the client device that the received file is available;
receiving, by the server, instructions from the client device directing the transfer of the received file to a destination device; and

transferring, from the server to the destination device, the received file, wherein the agent device, the client device, the destination device, and the server are located remotely on a network.

26. (New) The method of claim 25, wherein the method step of receiving, from an agent device, a polling message requesting information from the server queue further comprises receiving, at the server, a polling message from an agent device and checking the queue for a new request from one of a portable digital assistant, a two-way pager, and a laptop computer.

27. (New) The method of claim 25, wherein the method step of transferring, from the server to the designation device, the received file comprises transferring the received file from the server to one of a client device, a speech module connected to the client device, and a telephone located in other than a client device location.

28. (New) A computer-readable storage medium containing instructions which, when executed by a computer, perform a server method of providing access to a file, the method comprising:

receiving a client-initiated request for a file, the request received by a server;

entering the request in a queue of the server;

receiving, from an agent device, a polling message requesting information from the server queue;

sending the client-initiated request for a file from the queue of the server to the agent device, wherein the agent accesses the requested file;

receiving the requested file sent by the agent device to the server;

sending, by the server, notification to the client device that the received file is available;

receiving, by the server, instructions from the client device directing the transfer of the received file to a destination device; and

transferring, from the server to the destination device, the received file, wherein the agent device, the client device, the destination device, and the server are located remotely on a network.

29. (New) The computer-readable storage medium of claim 28, wherein the step of receiving, from an agent device, a polling message requesting information from the server queue further comprises receiving, at the server, a polling message from an agent device and checking the queue for a new request from the client device.

30. (New) The computer-readable storage medium of claim 28, wherein the step of transferring, from the server to the designation device, the received file comprises transferring the received file from the server to one of a client device, a speech module connected to the client device, and a telephone located in other than a client device location.